Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	04/03/2017 10:38 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/30/2017 11:23 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124319	-1	1.58	124126	1.55
Blue	F	SSC	125000	122393	-3	3.13	122639	2.92
Blue	E	FITC	21625	20908	-4	2.49	932	10.12
Blue	D	PE	26832	26329	-2	2.05	946	9.76
Blue	B	PerCP-Cy5-5	48027	47469	-2	3.43	1357	16.65
Blue	A	PE-Cy7	40971	40336	-2	5.01	620	35.16
Red	C	APC	49746	49092	-2	2.83	2820	9.22
Red	A	APC-Cy7	53615	52919	-2	2.85	1097	11.31
Violet	B	V450	14488	13677	-6	5.86	652	10.18
Violet	A	V500	55123	53888	-3	5.69	2386	7.55

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18308	5.28	604	6	N/A	N/A	Pass
Blue	F	SSC	60835	1.54	534	0	N/A	N/A	Pass
Blue	E	FITC	103	39.92	534	-2	0.0217	227	Pass
Blue	D	PE	206	28.51	530	-1	0.1583	215	Pass
Blue	B	PerCP-Cy5-5	213	44.20	627	-2	0.0105	98	Pass
Blue	A	PE-Cy7	67	116.28	676	-5	0.0121	11	Pass
Red	C	APC	330	27.28	587	-7	0.0219	104	Pass
Red	A	APC-Cy7	120	39.54	570	-10	0.0054	1297	Pass
Violet	B	V450	80	43.04	468	-3	0.0429	1812	Pass
Violet	A	V500	173	25.08	495	-1	0.0165	1299	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.63	-31.07	0.86
Blue	20.34	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.33
Red	17.34	13.27 - 19.91	N/A	N/A	31.14	31.60	1.15

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 13371

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments